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Theory of Hydraulic and Pneumatic Control
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Some Application of Complementary Decoding
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J. Bromirski.

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NTC-71-11746-09C

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The Experimental and Analytical Determination of
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Vol 8, No 3, 1963, pp 335-346. 9700936
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Sci-Engr: Phys
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Reliability of Automatic Elements and Devices,
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Mathematical Classification Models in Object-
Recognition Problems, by Stanislaw Schmidt.
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FTD-TT-65-883

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Sci - Math Sci
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Optimization of a Pulsed Corrector which
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by Andrej Mavitius, 25 pp.
POMISH, per, Arkhivum Avtomatiki i Telemekhaniki,
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Sci - Math Sci
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Selection of the Correction Element in Linear
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Redundant Representations and the
Arithmetic Operation Speed of Digital
Computers, by J. Bankowski, 22 pp.
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NON-LINEAR PROBLEM OF BENDING OF A SHELL
SHAPED LIKE A TRUNCATED CONE AND COM-
PRESSED BY FORCES UNIFORMLY DISTRIBUTED
ALONG THE EDGES. [1962] 24p. 5 refs.
Order from SLA \$2.60 62-20428

Trans. of Archiwum Budowy Maszyn (Poland) 1959,
v. 6, no. 4, p. 493-520.

DESCRIPTORS: *Elastic shells, *Conical bodies,
*Deflection, Compressive properties, Stresses,
Numerical analysis, Nonlinear differential equations.

This paper presents a solution of the problem of large
deflections in a shell which is shaped like a truncated
right circular cone. The shell is compressed by
forces uniformly distributed along the edges and acting
in parallel to the axis of the cone. We limited our-
(Mechanics, TT, v. 9, no. 9) (over)

62-20428

I. Wisniewski, S.

Office of Technical Services

Effect of Rotary Inertia and of Shear
Forces on Free Vibrations of Rotating
Bars, by J. Lipka.
EUROPEAN, per, Archiwum Budowy Maszyn,
Vol 7, No 3, 1960, pp 283-294.

NTC-71-11752-20K

FTD-TT-62-1477 - 14 pp 9679897

ALA 63-16630

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I. Wisniewski, S.

Wisniewski, Stanislaw.
AN INVESTIGATION OF LARGE DEFLECTIONS OF
A TRUNCATED CONE-SHAPED SHELL COMPRESSED
BY FORCES UNIFORMLY DISTRIBUTED ALONG THE
EDGES. [1962] [5]p. (fig. omitted) 2 refs.
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62-20053

Partial trans. (p. 73-74, 76-79) of Archiwum Budowy
Maszyn (Poland) 1961, v. 8, no. 1, p. 73-79.

DESCRIPTORS: *Structural shells, *Conical bodies,
Loading (Mechanics), Compressive properties,
Deformation, Deflection, Graphic analysis.

The article deals with the description and results of
experiments with large deflections of truncated cone
shells with small angles of inclination between the
generatrix and the base, when these shells are sub-
jected to compression by forces uniformly distributed
(Mechanics--Kinematics, TT, v. 9, no. 12) (over)

Office of Technical Services

R-1639-N

Article by A. Morecki

POLISH, per, Archiwum Budowy Maszyn, Vol VIII,
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*JPRS/Picatinny Arsenal

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by Wiktor Jungowski, 18 pp.

POLISH, per, Archiwum Badowy Muszyn, Vol IX,
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Sci-Phys

Aug 63

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Flame Stabilization in Surface Layer, by
Stanislaw Nojcicki, 14 pp.

POLISH, per, Archiwum Badowy Marynarki Morskiej,
Vol IX, No 1, 1962, pp 77-86. 9581604

FTD-TT-62-1821

Sci-Phys
May 63

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The Problem of Determining the Optimum Critical
Operating Parameters for a Nonisobaric Motor With
Divergent Nozzle, by R. Staniszewski, 53 pp.
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1963, pp 103-140. 9693557
FTID-TT-264-497

Sci - Engr
Sept 64

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About a Certain Method of Investigating Combustion
Chambers, by R. Szymanik, R. Staniszewski, 11 pp.
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FTD TT-64-616

Sci - Engr
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Model Tests for Pulse-Jet Engines, by S. Wojcicki.
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S. Ochęduszek.
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Nov 71

Air Cooled Rotor Discs of Uniform
Strength, by Edmund Tuliscka, 22 pp.
POLISH, ser. Archiwum Rodowy Maszyn,
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FTD-FT-65-1757

Sci. Materials
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Elastic Strains and Strains of
Expanded Multilayer Cylindrical
Pressure Vessels, by Michal Zyczkowski,
19 pp.
POLISH, per, Archiwum Badowy Maszyn,
Vol. XII, No 1, 1964, pp83-96.
PED-AT-65-1757

Sci-Materials
Jan 67

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Influence of the Nonuniformity of the
Velocity of Convection of Eddies Behind
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Aerodynamic Forces Acting on the
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POLISH, per, Archiwum Badawczy Maszyn,
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Sci - Math
9 Jan 63

Picturing Arsenal

Req. 6-71

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Title: Studja nad historya misyjami i polityka-ostrowa.

Author: Danajewicz, M.

Source: Archiwum Chmaji i Farmacji. (1935).
pp. 76-129. Vol. 2.

Language: Polish.

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An Extension of the "Ideal Observer " Criterion,
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1961, pp 723-727. 9222735
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PC11111, par, Antenna Elektrotechniki, Vol X,
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Sci-Electronics

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Amplification Circuits With Transistors Duplicating
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A. Filipkowski, 18 pp.

POLISH, per, Archiwum Elektrotechniki, Vol XI,
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A Germanium Double Base Photodiode and its
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Synthesis and Zone melting of Gallium
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POLISH, per, Archiwum Elektrotechniki, No 11,
1963, pp 757-764.
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Sci - Elec
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On the Correlation between Crystal Orientation and Some Properties of Tunnel Diodes,
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Sci - Electron
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NTC 70-16985-17I
FTD-IT-65-365

Some Problems of Statistical Estimates
of Reliability, by Firkowicz.
POLISH, per, Archivum Elektrotechnik,
Vol 13, No 1, 1964, pp 159-170.
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Sci/Electronics
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Maser Effect in Ruby at Liquid Hydrogen
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Preliminary Measurements of Parameters of
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Sci-Elec & Electrical Engr
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ACIDS, A. Enders, Arch. Exptl. Pathol. Pharmacol.
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The Location of Rock Bursts in the Coal Mines of the
Upper Silesian Coal Basin, by B. Heyman, 11 pp.

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OTB 60-41305
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Sci - Min/Met

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THE LOCATION OF ROCK BURSTS IN THE COAL
MINES OF THE UPPER SILESIAN COAL BASIN
(Rejeczacja Tapan w Kopalniach Wegla
Gornoslaskiego Zaglbia Weglowego) tr. by Janina
Lutoslawska. 1961, 12p. 19 refs. PL-480 Int.
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Trans. of Archiwum Gornictwa (Poland) [1957] v. 2
[no. 4] p. 249-265.

DESCRIPTORS: *Coal, *Mines, Geology, *Rock,
Fracture (Mechanics), Stresses, Pressure.

(Engineering, TT, v. 7, no. 7)

- I. Neyman, B.
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- III. National Science Foundation,
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Indices of Spontaneous Combustion of Coal, by
E. Maciejasz.

POLISH, per, Archiwum Gornictwa, Vol IV, No 1/2,
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The Part Played by Iron in the Perhydrol Method of
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Combustion, by A. Korta, M. Lason, Z. Maciejasz.

ENGLISH, per, Archivum Gornictwa, Vol IV, No 1/2,
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Precipitation of Cobalt From Aqueous Solution of Its
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Jerzy Sedzimir.

POLISH, per, Arch Gornictwa i Hutnictwa, No 1-3,
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Prak, W.
ACTIVITY COEFFICIENTS OF SOME NON-FERROUS
METALS IN BINARY SOLID AND LIQUID SOLU-
TIONS [AND] ACTIVITY COEFFICIENTS OF METALS
IN TERNARY SOLUTIONS (Wspolczynniki Aktywnosci
Niektorych Metali Niezelaznych w Dwuskladnikowych
Roztworach Stalych i Cieklych [and] Wspolczynniki
Aktywnosci Metali w Roztworach Trojaskladnikowych)
tr. by Teresa Truszkowska. 1962, 67p. 40 refs.
PL-480 Int.
Order from OTS \$0.50

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Trans. of Archiwum Gornictwa i Hutnictwa (Poland)
1954, v. 2, no. 1, p. 71-122 and 1953, v. 3, no. 1,
p. 69-87.

DESCRIPTORS: *Metals, *Activity coefficient, Solids,
Liquids, Solutions.

(Metallurgy--Nonferrous Metals, TT, v. 8, no. 4) (over)

- I. Prak, W.
- II. Title: Activity Coefficients
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- III. Title: Wspolczynniki
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- IV. PL-480 Int (60-21561)
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Washington, D. C.

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Activity Coefficients of Some Non-Ferrous Metals in
Binary Solid and Liquid Solutions, by W. Ptak, 44 pp.

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OTS 60-21561
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Sci - Chem

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On the Conditions of Solving the Gibbs-Duhem
Equation in the Case of Many-Component Solutions, by
A. Krapkowski, 5 pp.

POLISH, per, Archiwum Gornictwa i Hutnictwa, Vol III,
No 1, 1955, pp 3-9. 9094474

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Sci. - Phys

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The Neutral Angle in Hot and Cold Rolling Processes,
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PUBLISHED, per, Archiwum Gornictwa i Hutnictwa,
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Sci - Chem

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GERMAN, per, Arch Gornictwa i Hutnictwa, Vol III,
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*JPRS for Army Rocket and Guided
Missile Agency

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DESCRIPTORS: Mines, Wire and cordage, *Pulleys.

61-17349

- I. Popowicz, O.
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No 2, p. 297-304.

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January-February, 21 pp.
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DESCRIPTORS: Metals, Oxides, *Lead, *Zinc,
*Alkali metals, Purification, Chlorination, *Chlorine,
*Hydrochloric acid.

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Office of Technical Services

An Attempt to Determine the Proper Value of the
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Effect of Cathodic Hydrogen on the Magnetic
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L. KOZLOWSKI,

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Sci - *Chen*
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Nickel Avec Affinage a l'Oxygene, by T. Mazanek,
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POLISH, PER, ARCHIWUM HUTNICTWA, VOL III, NO 2,
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EFFECT OF ULTRASONIC VIBRATIONS UPON
STEEL BEING CARBURIZED. Nov/Dec 60, 6400
words. HB-4860
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1. Steel--Hardening
2. Ultrasonic radiation--
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3. Vibration--Metallurgical
effects

I. Rozanski, W.
II. HB-4860
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Thermodynamic Characteristics of Liquid
Metal Solutions, Part II, by J. Terpilowski.
EUROPEAN, per, Archiwum Hutnictwa, Vol 3,
No 3, 1958, pp 227-237.
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on Low-Carbon Steels Using Heavy Passes, by Z.
Wanatschki, B. Hoderay.

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Sci - Engr

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Mechanism and Kinetics of Reduction of Iron Oxides,
by E. Iwanciw,

POLISH, part, Archivum Chemicum, Vol IV, No 2,
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HB 486D

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